

020904

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PTO/SB/05 (08-00)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE31355 U.S. PTO
10/773184

020904

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	MTB36US
First Inventor	Kia Silverbrook
Title	THERMAL INK JET PRINthead WITH HEATER ELEMENT CURRENT FLOW AROUND NOZZLE AXIS
Express Mail Label No.	

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages **58**]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets **66**]
5. Oath or Declaration [Total Pages **2**]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 17 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

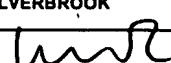
 Continuation Divisional Continuation-In-part (CIP)of prior application No. **10 / 302,274**

Prior application Information: Examiner _____

Group / Art Unit: **2853**

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	24011 (Insert Customer No. or Attach bar code label here)		or	<input type="checkbox"/> Correspondence address below
Name	KIA SILVERBROOK			
Address	393 Darling Street,			
City	Balmain	State	NSW	Zip Code
Country	Australia	Telephone	+61-2-9818-6633	Fax
Name (Print/Type)	KIA SILVERBROOK		Registration No. (Attorney/Agent)	
Signature			Date January 28, 2004	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,422.00)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Kia Silverbrook
Examiner Name	
Art Unit	
Attorney Docket No.	MTB36US

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number	
Deposit Account Name	

The Director is authorized to: (check all that apply)

 Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385			Utility filing fee	770.00
1002 3 0	2002 1			Design filing fee	
1003 5 0	2003 265			Plant filing fee	
1004 7 0	2004 3 5			Reissue filing fee	
1005 160	2005 80			Provisional filing fee	
SUBTOTAL (1)				(\$)	770.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	54	-20** =	34	18 x 612 = 612
Independent Claims	3	- 3** =		0
Multiple Dependent				

Large Entity	Small Entity	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 8	2201 4	Independent claims in excess of 3
1203 2 0	2203 145	Multiple dependent claim, if not paid
1204 8	2204 4	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 612)

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
1051 130	2051 65	1053 130	1053 130	Surcharge - late filing fee or oath	
1052 50	2052 25	1812 2,520	1812 2,520	Surcharge - late provisional filing fee or cover sheet	
1804 920*	1804 920*	1805 1,840*	1805 1,840*	For filing a request for ex parte reexamination	
1805 1,840*	1805 1,840*	1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1251 110	2251 55	1253 950	2253 475	Requesting publication of SIR after Examiner action	
1252 420	2252 210	1254 1,480	2254 740	Extension for reply within first month	
1253 950	2253 475	1255 2,010	2255 1,005	Extension for reply within second month	
1254 1,480	2254 740	1401 330	2401 165	Extension for reply within third month	
1255 2,010	2255 1,005	1402 330	2402 165	Extension for reply within fourth month	
1403 290	2403 145	1451 1,510	1451 1,510	Extension for reply within fifth month	
1452 110	2452 55	1453 1,330	2453 665	Notice of Appeal	
1453 1,330	2453 665	1501 1,330	2501 665	Filing a brief in support of an appeal	
1502 480	2502 240	1460 130	1460 130	Request for oral hearing	
1503 640	2503 320	1807 50	1807 50	Petition to institute a public use proceeding	
1806 180	1806 180	1809 770	2809 385	Petition to revive - unavoidable	
8021 40	8021 40	1810 770	2810 385	Petition to revive - unintentional	
1801 770	2801 385	1802 900	1802 900	Utility issue fee (or reissue)	
40.00					
Other fee (specify) _____					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3) (\$ 40.00)					

SUBMITTED BY

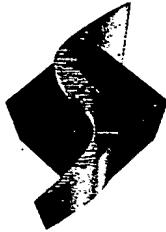
(Complete if applicable)

Name (Print/Type)	Kia Silverbrook	Registration No. (Attorney/Agent)		Telephone	612 98186633
Signature	<i>Kia</i>			Date	January 28, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ACN 066 573 671

COPY

February 6, 2004

Commissioner of Patents and Trademarks
Washington DC 20231
USA

Dear Sir

22 New United States Patent Applications
Assignee: Silverbrook Research Pty Ltd

This letter accompanies 22 new patent applications.

One bank draft for the total amount of US\$31,094 is enclosed to cover filing and assignment fees for each of the 22 applications. Also attached is a list giving details of each application.

We look forward to receiving filing receipts in due course.

If you need to contact us in relation to the applications, please email my assistant, Leonie News at leonie.news@silverbrookresearch.com or by fax to +61 2 9555 7762.

Yours faithfully

Kia Silverbrook
Silverbrook Research Pty Ltd
kia.Silverbrook@silverbrookresearch.com

DOCKET NO.	TITLE	INVENTORS	AMOUNT US\$
1 MTB15	Thermal Ink Jet Printhead with Unint ntonal Boiling Prev nton	Kia Silverbrook	1422
2 MTB16	Thermal Ink Jet Printhead with Small Nozzle Dimensions	Kia Silverbrook	1422
3 MTB18	Thermal Ink Jet Printhead with Bubble Collapse Point Void	Kia Silverbrook	1422
4 MTB19	Thermal Ink Jet Printhead with Reduced Pressure Transients	Kia Silverbrook	1422
5 MTB20	Thermal Ink Jet Printhead with Laterally Enclosed Heater Element	Kia Silverbrook	1422
6 MTB21	Thermal Ink Jet Printhead Assembly with Laminated Structure for the Alignment and Funneling of Ink	Kia Silverbrook	1422
7 MTB22	Thermal Ink Jet Printhead with Drive Circuitry on Opposing Sides of Chamber	Kia Silverbrook	1422
8 MTB23	Thermal Ink Jet Printhead with Suspended Heater Element Spaced from Chamber Walls	Kia Silverbrook	1422
9 MTB24	Thermal Ink Jet Printhead with Drive Circuitry Offset From Heater Elements	Kia Silverbrook	1422
10 MTB25	Thermal Ink Jet Printhead with Heater Element Having Non-Uniform Resistance	Kia Silverbrook	1422
11 MTB26	Thermal Ink Jet Printhead with Heater Element that Forms Symmetrical Bubbles	Kia Silverbrook	1422
12 MTB27	Thermal Ink Jet Printhead with Wide Heater Element	Kia Silverbrook	1422
13 MTB28	Thermal Ink Jet Printhead with Heater Element Mounted to Opposing Sides of the Chamber	Kia Silverbrook	1422
14 MTB29	Thermal Ink Jet Printhead with Heater Element Symmetrical About Nozzle Axis	Kia Silverbrook	1422
15 MTB30	Thermal Ink Jet Printhead with Bubble Nucleation Offset from Ink Supply	Kia Silverbrook	1422
16 MTB31	Thermal Ink Jet Printhead with Bubble Nucleation Laterally Offset from Nozzle	Kia Silverbrook	1422
17 MTB32	Thermal Ink Jet Printhead with Low Resistance Connection to Heater	Kia Silverbrook	1422
18 MTB34	Thermal Ink Jet printhead With Non-Buckling Heater Element	Kia Silverbrook	1422
19 MTB35	Thermal Ink Jet PRInthead with Rotatable Heater Element	Kia Silverbrook	1422
20 MTB36	Thermal Ink Jet Printhead with Heater Element Current Flow Around Nozzle Axis	Kia Silverbrook	1422
21 MTB17	Thermal Ink Jet Printhead with Bubble Formation Surrounding Heater Element	Kia Silverbrook, AJ North & GJ McAvoy	1,502
22 MTB33	Inkjet Printhead with CMOS Drive Circuitry Close to Ink Supply Passage	Kia Silverbrook	1,152
		TOTAL	31,094

Commonwealth Bank

Commonwealth Bank of Australia
ABN 48 123 123 124



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06 February 2004

Date

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*****USD ***31,094.00*****

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Manager

Accountant

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